

49076.000002.UTL1  
U.S. Patent

### CLAIMS

#### **Listing of Claims:**

1-14 (Canceled)

15. (Currently Amended) ~~A composition comprising an~~ An antigenic polypeptide or a polynucleotide encoding an antigenic polypeptide, said antigenic polypeptide comprising an antigen domain and a receptor-binding domain, said antigen domain comprising HIV-1 gp160 or a portion thereof and said receptor-binding domain comprising a CD40-binding polypeptide.

16. (Currently Amended) ~~A composition~~ An antigenic polypeptide of claim 15, wherein said receptor-binding domain comprises at least a portion of an immunoglobulin.

17. (Currently Amended) ~~A composition~~ An antigenic polypeptide of claim 15, wherein said receptor-binding domain comprises a single chain Fv.

18. (Currently Amended) ~~A composition~~ An antigenic polypeptide of claim 15, wherein said CD-40 binding protein comprises CD154 or a portion of CD154.

19. (Currently Amended) ~~A composition~~ An antigenic polypeptide of claim 15, wherein said antigenic polypeptide comprises comprising an amino acid sequence according to any one of SEQ ID NO: 20, 21, 22, 23, 24, 25, 26, or 27.

20. (Currently Amended) ~~A composition~~ An antigenic polypeptide of claim 15, wherein said CD40-binding polypeptide comprises a camelid immunoglobulin variable region.

21. (Currently Amended) ~~A composition~~ An antigenic polypeptide of claim 15, wherein said receptor-binding domain is capable of binding CD40 and one or more additional receptors.

22. (Canceled)

23. (Currently Amended) ~~A composition~~ An antigenic polypeptide of claim 15, wherein said composition comprises said polynucleotide encoding the antigenic polypeptide and not the antigenic polypeptide itself. encoded by a polynucleotide comprising a sequence according to any one of SEQ ID NO: 12, 13, 14, 15, 16, 17, 18, or 19.

24. (Currently Amended) ~~A composition~~ An antigenic polypeptide of claim 23, wherein said polynucleotide is operably linked to comprises a DNA plasmid.

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25. (Canceled)

26. (Currently Amended) ~~A composition~~ An antigenic polypeptide of claim 15 that is capable of eliciting an immune response in an animal.

27. (Currently Amended) ~~A composition~~ An antigenic polypeptide of claim 15 that is ~~capable of eliciting an immune response produced~~ in an animal.

28. (Currently Amended) ~~A composition comprising an~~ An antigenic polypeptide or a polynucleotide encoding an antigenic polypeptide, said antigenic polypeptide comprising an antigen domain and a receptor-binding domain, said antigen domain comprising HIV-1 gp160 or a portion of HIV-1 gp160, said receptor-binding domain comprising at least a portion of a CD154 polypeptide capable of binding to CD40.

29. (Currently Amended) ~~A composition~~ An antigenic polypeptide of claim 28 ~~comprising a polynucleotide encoding an antigenic polypeptide, said~~ encoded by a polynucleotide comprising a sequence according to any one of SEQ ID NO: 12, 13, 14, 15, 16, 17, 18, or 19.

30. (Currently Amended) ~~A composition~~ An antigenic polypeptide of claim 28 wherein said antigenic polypeptide comprises an amino acid sequence according to any one of SEQ ID NO: 20, 21, 22, 23, 24, 25, 26, or 27.

31. (Canceled)

32. (Canceled)

33. (Canceled)